



Serial No. 10/621425

IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Inventor(s): Angeliki Alexiou  
Mohammed Qaddi

Case: 3-3

Serial No.: 10/621425

Filing Date: July 17, 2003

Examiner: Group Art Unit:

Title: A Method Of Compensating For Correlation Between Multiple  
Antennas

COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

SIR:

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR 1.97(b)

In accordance with 37 CFR 1.97(b), the enclosed Information Disclosure Statement, with attached reference(s), is submitted for consideration in the above-identified application.

Copies of the listed documents are enclosed.

NO FEE IS REQUIRED

In the event of any non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit Lucent Technologies Deposit Account No. 12-2325 as required to correct the error.

Respectfully,

Ozer M. N. Teitelbaum, Attorney  
Reg. No. 36698  
973-386-8803

Date: \_\_\_\_\_

Docket Administrator (Room 3J-219)  
Lucent Technologies Inc.  
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Holmdel, NJ 07733-3030

I hereby certify that this correspondence is being deposited with the United States Postal Service in first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, DC, 20231, on 8-7-03.

  
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<i>11/17/03 SEARCHED &amp; INDEXED INFORMATION DISCLOSURE STATEMENT</i>	Case Name: A. Alexiou 3-3 Serial No.: 10/621425 Applicant: A. Alexiou, et al. Filing Date: July 17, 2003 Group:
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## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation

**OTHER (including Author, Title, Date, Pertinent Pages, etc.)**

	<b>AA</b>	Jack Salz, et al, "Effect of Fading Correlation on Adaptive Arrays in Digital Mobile Radio", <i>IEEE Transactions on Vehicular Technology</i> , Vol. 43, No. 4, (11-94), pages 1049-1957.
	<b>AB</b>	Da-Shan Shiu, et al, "Fading Correlation and Its Effect on the Capacity of Multielement Antenna Systems", <i>IEEE Transactions on Communications</i> , Vol. 48, No. 3, (3-00), pages 502-513.
	<b>AC</b>	Helmut Bolcskei, et al, "Performance of Space-Time Codes in the Presence of Spatial Fading Correlation", <i>IEEE 2000</i> , pages 687-693.
	<b>AD</b>	Angeliki Alexiou, "Realistic Channel Model Considerations in UMTS Downlink Capacity with Space-Time Block Coding", 3 <sup>rd</sup> <i>IEEE Signal Processing Workshop on Signal Processing Advances in Wireless Communications, Taoyuan, Taiwan</i> , (3/23-23/01), pages 275-278.
	<b>AE</b>	Christopher Brunner, et al, "Downlink Eigenbeamforming in WCDMA", <i>Munich University of Technology, D-80290 Munich, Germany</i> .
	<b>AF</b>	Hemanth Sampath, et al, "Linear Precoding for Space-Time Coded Systems With Known Fading Correlations", <i>IEEE Communications Letters</i> , Vol. 6, No. 6, (6-02), pages 239-241.
	<b>AG</b>	Vahid Tarokh, et al, "Space-Time Block Codes from Orthogonal Designs", <i>IEEE Transactions on Information Theory</i> , Vol. 45, No. 5, (7-99), pages 1456-1467.
	<b>AH</b>	Louay M.A. Jalloul, et al, "Performance Analysis of CDMA Transmit Diversity Methods", <i>IEEE 1999</i> , pages 1326-1330.

**\*\*\*References listed beyond AZ would list as AA-1, AB-2, AC-3 thru AZ-26.**

**\*\*\*Note First Page ONLY Header/Footer. Subsequent pages must ONLY have page # layout as header**

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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**\*Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant